

IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Previously Presented) A method for producing high silicate glass, the method comprising:

a phase-separating step of subjecting to heat treatment borosilicate glass containing any one element of manganese, cerium, chromium, cobalt, and copper, so as to phase-separate the borosilicate glass;

an acid-treatment step of subjecting the phase-separated borosilicate glass to acid treatment so as to elute a metal; and

a sintering step of sintering the acid-treated borosilicate glass.

2. (Previously Presented) The method according to Claim 1, wherein the borosilicate glass includes 0.1 wt% to 2.0 wt% of oxide of the element.

3. (Currently Amended) The method according to Claims 1-~~or 2~~, wherein the borosilicate glass is produced by carrying out first and second melting steps of melting a raw material by heating the raw material.

4. (Previously Presented) The method according to Claim 3, wherein boric acid to be contained in the borosilicate glass is added in the second melting step.

5. (Currently Amended) The method according to ~~any one of~~ Claims 1-~~to~~-4, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to heat treatment and acid treatment between the acid-treatment step and the sintering step and is then subjected to further acid treatment by using acid containing ethylenediamine tetraacetic acid.

6. (Currently Amended) High silicate glass produced by the method according to ~~any one of~~ Claims 1-~~to~~-5.

7. (Previously Presented) High silicate glass according to Claim 6, transmitting 30% or more of light at a wavelength of 200 nm when including 10 ppm or more of boron and having a thickness of 1 mm.

8. (Canceled)

9. (New) The method according to Claim 2, wherein the borosilicate glass is produced by carrying out first and second melting

steps of melting a raw material by heating the raw material.

10. (New) The method according to Claim 2, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to heat treatment and acid treatment between the acid-treatment step and the sintering step and is then subjected to further acid treatment by using acid containing ethylenediamine tetraacetic acid.

11. (New) The method according to Claim 3, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to heat treatment and acid treatment between the acid-treatment step and the sintering step and is then subjected to further acid treatment by using acid containing ethylenediamine tetraacetic acid.

12. (New) The method according to Claim 4, wherein:

when the borosilicate glass contains cerium or chromium, the borosilicate glass is subjected repeatedly to heat treatment and acid treatment between the acid-treatment step and the sintering step and is then subjected to further acid treatment by using acid containing ethylenediamine tetraacetic acid.

New PCT National Phase Application
Docket No. 12480-000144/US

13. (New) High silicate glass produced by the method according to Claim 2.

14. (New) High silicate glass produced by the method according to Claim 3.

15. (New) High silicate glass produced by the method according to Claim 4.

16. (New) High silicate glass produced by the method according to Claim 5.